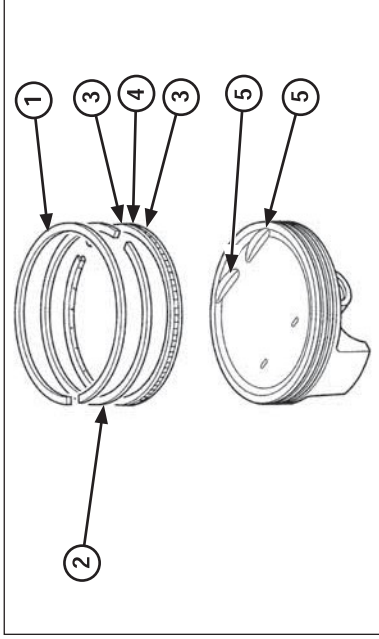


(1) TENSIONER LIFTER

### Tensioner lifter

Check the tensioner lifter operation as follows:

- The tensioner shaft should not go into the body when it is pushed.
- When it is turned clockwise with a screwdriver, the tensioner shaft should be pulled into the body. The shaft should spring out of the body as soon as the screwdriver is released.



(1) TOP RING (SILVER)  
(2) SECOND RING (BLACK)  
(3) OIL RINGS  
(4) SPACER  
(5) INDENTS

### Piston Ring Installation

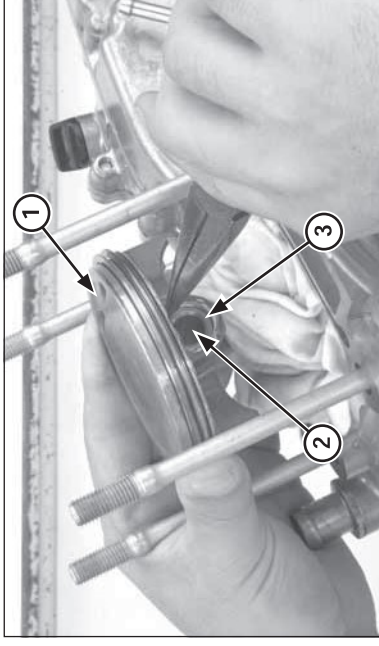
Clean the piston ring grooves thoroughly.

Apply engine oil to the piston rings and piston ring grooves.

Install the piston ring into the grooves with their marking facing up.

- Do not damage the piston ring by spreading the ends too far.
- Be careful not to damage the piston during piston ring installation.
- Do not align the oil ring (side rail) gaps.
- Space the piston ring end 120 degrees apart.

After installation, the rings should rotate freely in the ring grooves.



(1) INDENTS  
(2) PISTON PIN  
(3) NEW PISTON PIN CLIP

### Piston Installation

Place a shop towel over the cylinder opening to prevent dust or dirt from entering the engine.

Clean any gasket material from the cylinder mating surfaces of the crankcase.

Apply molybdenum oil solution to the connecting rod small end.

Place a shop towel around the piston skirt and in the crankcase to prevent the piston pin clips from falling into the crankcase.

Apply engine oil to the piston pin outer surface and piston pin bore of the piston.

Install the piston with the arrow facing intake side.

Install the piston pin and new piston pin clips.

Be careful not to drop the piston pin clip into the crankcase.

Always use new piston pin clips. Reinstalling used piston pin clips may lead to serious engine damage.

Do not align the piston pin clip end gap with the piston cut-out.